

ARIZONA DEPARTMENT OF WATER RESOURCES  
OFFICE OF DAM SAFETY AND FLOOD MITIGATION



JANET NAPOLITANO  
Governor

HERB GUENTHER  
Director

Application No. \_\_\_\_\_ Filed \_\_\_\_\_  
(Applicant shall not fill in above blanks)

**APPLICATION for APPROVAL of the PLANS and SPECIFICATIONS  
for the CONSTRUCTION, ENLARGEMENT, REPAIR, ALTERATION  
or REMOVAL of a DAM and RESERVOIR (A.R.S. 45-1203 & 1206)**

This application is for the \_\_\_\_\_ of the \_\_\_\_\_ Dam.  
(Construction, Enlargement, Repair, etc.) (Name of Dam)

**LOCATION OF DAM**

This dam is in \_\_\_\_\_ County, in the \_\_\_\_\_ 1/4, Sec. \_\_\_\_\_, Twp. \_\_\_\_\_, Rge. \_\_\_\_\_, G&SR B&M, at  
North Latitude \_\_\_\_\_ E, \_\_\_\_\_', \_\_\_\_\_" and West Longitude \_\_\_\_\_ E, \_\_\_\_\_', \_\_\_\_\_", on USGS Quad \_\_\_\_\_, and is  
located on \_\_\_\_\_, tributary to \_\_\_\_\_.  
(Wash, Creek, River or Watershed) (Wash, Creek or River)

**OWNER**

Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

If this application is for construction of a new dam complete all items (1 through 21) except item 12. For enlargement, repair, alteration or removal complete items 12 through 21 and those other items where a change is being made.

**DESCRIPTION OF DAM AND RESERVOIR**

1. Type of dam \_\_\_\_\_ Purpose of dam \_\_\_\_\_  
(Earth, Rock, Concrete Gravity, etc.)
2. Dam crest elevation \_\_\_\_\_ feet. Spillway crest elev. \_\_\_\_\_ feet. Outlet invert elev. \_\_\_\_\_ feet.
3. Dam height is \_\_\_\_\_ feet (Measured from the lowest elevation of the outside limit of the dam at its intersection with the natural ground surface to the crest of the spillway – A.A.C. R12-15-1202(17)).
4. Dam crest length \_\_\_\_\_ feet. Dam crest width \_\_\_\_\_ feet. Dam Crest Camber (if any) \_\_\_\_\_ feet.
5. Dam slope: Upstream \_\_\_\_\_ : 1 (horizontal:vertical); Downstream \_\_\_\_\_ : 1 (horizontal:vertical).
6. Emergency Spillway (type, dimensions, control(s), design capacity, flow depth, etc.):
7. Outlet Works (type, internal diameter, dimensions, control(s), capacity, trashrack, energy dissipator):
8. Reservoir at spillway crest elevation: Storage capacity \_\_\_\_\_ acre-feet; Surface area \_\_\_\_\_ acres.  
Reservoir at dam crest elevation: Storage capacity \_\_\_\_\_ acre-feet; Surface area \_\_\_\_\_ acres.

**HYDROLOGIC DATA**

9. Drainage area \_\_\_\_\_ square miles. Names of upstream dams \_\_\_\_\_
10. Downstream Hazard: \_\_\_\_\_  
(Nearest downstream town, population, distance, other inhabitants or development, and Downstream Hazard Potential Classification per A.A.C. R12-15-1206)

11. Inflow design flood: \_\_\_\_\_ Duration \_\_\_\_\_ hours. Precipitation \_\_\_\_\_ inches.  
(100-year, 0.25 PMF, 0.5 PMF, 0.75PMF, PMF)

Peak inflow rate \_\_\_\_\_ cfs. Water surface elevation is \_\_\_\_\_ feet at the time of the maximum emergency spillway discharge of \_\_\_\_\_ cfs during routing of the Inflow Design Flood.

### GENERAL INFORMATION

12. Description of Work (enlargement, repair, alteration, etc.):

13. Type of stored water: \_\_\_\_\_. Use of stored water: \_\_\_\_\_.  
(surface, groundwater, effluent, etc.)

Existing water rights claims/filings associated with water to be stored:  
Has primary storage permit application been made? \_\_\_\_\_ Yes \_\_\_\_\_ No

14. Other federal, state or local permits (to be) applied for; Give details, include date(s):

15. Describe provisions to divert flood flows during construction; include frequency (years) and flow rate (cfs):

16. Construction is expected to begin \_\_\_\_\_. Estimated completion \_\_\_\_\_.  
(Month and Year) (Month and Year)

17. Estimated cost of dam, reservoir and appurtenances (ARS 45-1204.A): \_\_\_\_\_

18. Fees accompanying this application (fees based on cost; R12-15-151): \_\_\_\_\_

19. Investigations, design, drawings and specifications prepared by (identify firm and Engineer of Record; attach resume highlighting dam design experience):

20. Construction Quality Assurance & Quality Control to be performed by (identify firm, Site Engineer, and Engineer of Record; attach resume(s) highlighting dam construction experience):

21. Emergency Action Plan prepared by: \_\_\_\_\_

Application submitted by (Name): \_\_\_\_\_ Telephone: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Legal Capacity If Other Than Owner: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

### APPROVAL OF APPLICATION No. \_\_\_\_\_

This is to certify that Application No. \_\_\_\_\_, including the drawings and specifications for \_\_\_\_\_ Dam and Reservoir has been examined and the same is hereby approved, subject to the following terms and limitations:

1. Construction work shall be started within one (1) year from date of application approval.
2. No foundations or abutments shall be covered by the material of the dam until the Department has been given an opportunity to inspect and approve the same.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

J. Darrell Jordan, Manager  
Office of Dam Safety and Flood Mitigation